19980106.ba v01_n867.bam.980106

>From ???@??? Wed Jan 07 09:26:17 1998
Message-Id: <199801061825.MAA26594@sco.theporch.com>
Date: Tue, 6 Jan 1998 12:25:33 CST
Subject: BOATANCHORS digest 1867

BOATANCHORS Digest 1867

Topics covered in this issue include:

  1) KH Power supply and Rider Chanalyst
     by Mary & Ray Jefferson <w7fni@micron.net>
  2) Drake and Collins Tx tube compliments?
     by Dexter Francis <cwest@xmission.com>
  3) Free NAB Engr Handbook
     by Roger Dillon <rogerjd@gte.net>
  4) Old QST's worth - update
     by "R. Eric Sluder" <kb9bgs@sprintmail.com>
  5) Pentode Regen Rcvr Detectors
     by FRANKK6NL <FRANKK6NL@aol.com>
  6) Litz wire tinning
     by Jim Hill <jshillw6ivw@earthlink.net>
  7) Re: audio howl in regens
     by Ho4bart <Ho4bart@aol.com>
  8) Re: New BA's in Titanic
     by Ho4bart <Ho4bart@aol.com>
  9) whatsa TS-323 BA 1866
     by "ROBERT W DOWNS, WA5CAB" <RWDowns_WA5CAB@compuserve.com>
 10) QSLing Oscar, etc.
     by Spencer Petri <spetri@e-tex.com>
 11) 20V3 shunt inductor
     by Tony <anthonys@pacbell.net>
 12) SX101 AVC observations
     by "Parker, Al" <al_parker@research.kaiseral.com>
 13) Re: 20V3 shunt inductor
     by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
 14) fao Michael Burke
     by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
 15) Hewlett Packard manuals-where??
     by "Arden Allen" <aallen@sirius.com>
 16) Octal UX245
     by polepeeg@aa4rm.radio.org (BA x-actions hr)
 17) Re: New BA's in Titanic
     by John Dilks <oldradio@worldnet.att.net>
 18) Valiant 2 has died ...again
     by L & M <toneri@ils.net>
 19) SX-101A in Fremont

    by Dick Dillman <ddillman@igc.apc.org>
 20) Re: Hewlett Packard manuals-where??
    by Ken Gordon <keng@uidaho.edu>
 21) Re: New BA's in Titanic
    by "Roberta J. Barmore" <rbarmore@indy.net>
 22) Manuals & Parts & Rigs, Oh My!
    by Nick England <nick@cs.unc.edu>
 23) A Seiberling radio? What?
    by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
 24) Re: Hewlett Packard manuals-where??
    by gc@cen.com (Gary Chatters)
 25) Re: New BA's in Titanic
    by Gene Katz <gkatz@motown.lmco.com>
 26) N9OO's ER Index for Macs
    by "Jay H. Miller" <jmiller@teleteam.net>
 27) Re: BA's on the Titanic - The Movie
    by MODSTEPH@ACS.EKU.EDU
 28) '02 5-watt Xmit Tube and '10
    by Jim Hill <jshillw6ivw@earthlink.net>
 29) Re: '02 5-watt Xmit Tube and '10
    by "Deane D McIntyre" <dmcintyr@acs6.ACS.UCALGARY.CA>

Date: Mon, 05 Jan 1998 17:42:57 +0000
From: Mary & Ray Jefferson <w7fni@micron.net>
To: Boatanchors <boatanchors@theporch.com>
Subject: KH Power supply and Rider Chanalyst
Message-ID: <34B11BA1.3537@micron.net>

My first posting seems to have gotten lost so will try again. I am in dire need of a schematic orand operating manual for a KH power supply model UHR-220. Unit supplies zero to 500 volts and zero to 200ma controlled by variac on front panel. It is a heavy duty model of lab quality with enough tubes and parts to build a good receiver hi. No mfgr or identification on case. Was manufactured in early sixties. Also need operating manual and schematic for Rider Chanalyst manufactured by RCA and used in
many radio service shops in forties and fifties. Would really appreciate any help or suggestions.

Ray w7fni for over sixty years Thanks

Date: Mon, 05 Jan 1998 17:12:56 -0700
From: Dexter Francis <cwest@xmission.com>
To: boatanchors@theporch.com

Subject: Drake and Collins Tx tube compliments?
Message-ID: <34B17706.390A@xmission.com>

Greetings all -

In an effort to clean up the web site a bit I've added
two new pages that are devoted to just Drake and Collins
gear. However it's currently limited to receivers.

If any of you have a Drake or Collins Transmitter and would
be willing to tell me the tube compliment I'll gladly add
them to the lists.

-df

     Need to Buy or Sell Tubes, Parts or BA Gear?
Visit our Web site at http://www.xmission.com/~cwest/
  e-mail to: tubes@usa.net -or- cwest@xmission.com
     P.O. Box 22443, Salt Lake City, Utah 84122

Date: Mon, 5 Jan 1998 19:14:43 -0600
From: Roger Dillon <rogerjd@gte.net>
To: "'boatanchor list'" <boatanchors@theporch.com>
Subject: Free NAB Engr Handbook
Message-ID: <01BD1A0F.000681E0@1Cust219.tnt4.dfw5.da.uu.net>

I have an Engineering Handbook of the National Association of =
Broadcasters that I don't need.=20
It appears to be from 1946 or so, about 1.25" thick and is a looseleaf =
collection of articles about AM and FM and TV transmitters. Weighs about =
3 lbs.
It is not in perfect cond as some of the leaves are really loose, but =
appear to be all there.
I think it was stored in a damp garage for a some time.
Some chapter titles are:
FCC stds of good engr practice concerning FM stations
ditto TV stations
ditto Standard Broadcast stations.
Directional antenna groundwave patterns.
Field intensity surveys.
Radio frequency networks.
Coupling and tuning capacitor (sic) for various antennas.
...and so on for 25 total chapters.
There are no schematics to speak of. Just reference material for =
someone in the business. (in 1946)
I would like to be reimbursed for postage only from Dallas, TX.

Rules of ware apply.
73
Roger
N5PGH

Date: Mon, 05 Jan 1998 23:02:35 -0500
From: "R. Eric Sluder" <kb9bgs@sprintmail.com>
To: Boatanchor list <boatanchors@theporch.com>
Subject: Old QST's worth - update
Message-ID: <34B1ACDB.184E2BF9@sprintmail.com>

Bacause of the overwhelming response, I send this general to all:

Thank you very much to all the fellows who were kind enough to take the time to drop me a note with advice. I've had several good suggestions as to the worth of the QST's and even some nice offers.

So, I'm in contemplation right now. Give me a week or so and I'll get back to you all. I've saved everyones e-mail address so don't worry you'll get your chance if I decide to sell.

73 & and may you all have a great new year!

Eric

--
~~~~~~
R. Eric Sluder, KB9BGS
Carmel, IN USA
kb9bgs@sprintmail.com
Professional Piddler
~~~~~~

Date: Mon, 5 Jan 1998 22:48:47 EST
From: FRANKK6NL <FRANKK6NL@aol.com>
To: boatanchors@theporch.com (multiple recipients of list)
Subject: Pentode Regen Rcvr Detectors
Message-ID: <c9a7326.34b1a9a1@aol.com>

It is easy to avoid that monstrous plate choke.

Instead of plate feed back use cathode feed back by tapping the cathode up on

the grid coil and grounding the plate for RF. Then you can use a a high value resistor for the plate and simple RC circuit to feed the first AF amplifier.

In my rcvr I use a 100k plate resistor. a 250pf bypass , a .02 mfd coupling capacitor and a 500k grid resistor for the first AF (actually a pot which serves as an AF gain control). The cathode feed back is obtained by a coil wound round the bottom of the grid coil. Use about 1/3 the turns of the grid coil for this.Same phase as the grid coil.

This detector slips in and out of oscillation very smoothly. No plop !!. You can really crawl up to the oscillation point.

This circuit appeared in a delightful article in QST describing a "modern regenerator" about 8 years ago.Maybe someone can find it.

73 Frank K6NL

Date: Mon, 05 Jan 1998 20:05:36 -0800
From: Jim Hill <jshillw6ivw@earthlink.net>
To: boatanchors@theporch.com
Subject: Litz wire tinning
Message-ID: <3.0.3.32.19980105200536.0071bea4@earthlink.net>

Is my wordwrap working ok?

Here is an easy method to tin Litz wire, which Mike Tuggle, WY3B gave me.
A verbatim repeat of his description follows:

To tin Litz:

1. Cut the end of the wire square with a <underline>sharp</underline>
pair of scissors. An X-acto knife might work ok, too - but
<underline>not</underline> diagonal cutters. The idea is to get a
freshly-exposed little copper face on every strand. (Dikes may cut the
outer strands, but they smush the inner strands.)

2. Then unravel a little of the cloth cover (taking care to not disturb
the strands) and snip it off. This is to just keep it out of the way

during soldering.

3. Melt an ample quantity of good rosin core solder onto your iron (as you say, 100 watts is about the right power) and <underline>immediately</underline> touch just the tip-end of the Litz wire to the melted solder. All those shiny little copper faces should be the first thing that touch the melted solder.

4. Hold the Litz were tip in the solder until the solder melts back to the desired tinning length (1/4 to 3/8 in.) The heat will also melt and fuse the synthetic outer sheath, keeping it from unraveling any further.

"Immediately," above means while you can still see the rosin running around on the solder surface and it's still smoking. The hot solder should melt the enamel on each strand and push it back as the solder migrates up the wire. The critical point is that first touch of the copper faces to the solder, where solder amalgamates ("wets") into copper and gets a toehold. After that you've won the battle.

This method seems to work just fine.

Thanks for the response to my tilde question. To my embarrassment, it's on the keyboard right where I was told.

Jim

<bold><color><param>0000,0000,ffff</param><bigger><bigger><bigger><bigger>Jim</bigger></bigger></bigger></bigger></color></bold>

Date: Mon, 5 Jan 1998 23:12:02 EST
From: Ho4bart <Ho4bart@aol.com>
To: B.H.Jarvis@hw.ac.uk
Cc: boatanchors@theporch.com
Subject: Re: audio howl in regens
Message-ID: <ba6b494e.34b1af13@aol.com>

in the audio stage of the bc-474 receiver i repaired, the fringe howl (-like)
sound was due to some audio feedback path no doubt, and since the
1-volt tubes are more microphonic i wouldn't be surprised that this even
may have been a factor.
for fringe howl in regen receivers, i don't think it's as simple as audio
feedback, but i may/ probably be wrong. it only seems to happen when
there's audio inductance (H not uH or mH) in the plate circuit. it sounds,
i think, like a tuned circuit ringing, so i wonder if the L + C of the plate
inductance is somehow being hammered.
hue

Date: Mon, 5 Jan 1998 23:17:02 EST
From: Ho4bart <Ho4bart@aol.com>
To: nq5t@gte.net, boatanchors@theporch.com
Subject: Re: New BA's in Titanic
Message-ID: <66298006.34b1b03f@aol.com>

it would also be great if some folk with remaining spark xmtrs
could replicate the radio traffic and record it too. maybe even
mix it with recording of normal background noise level on LF
to give it the correct ambience, since it might not do, to put
them on the air....
hue

Date: Mon, 5 Jan 1998 23:33:33 -0500
From: "ROBERT W DOWNS, WA5CAB" <RWDowns_WA5CAB@compuserve.com>
To: "INTERNET:boatanchors@theporch.com" <boatanchors@theporch.com>
Subject: whatsa TS-323 BA 1866
Message-ID: <199801052334_MC2-2E35-4484@compuserve.com>

Randy & Grp

TS-323 is a heterodyne frequency meter covering 20-480 MC. It was the la=
st
of the follow-ons from the BC-221. Copy of T.O. available if interested.=
 =

Usual Downs cover to cover quality. Contact me direct if interested. =

Don't have an extra case (my parts unit is caseless) so can't help you
there. Supply voltage requirements, 6.3 & 135 VDC, are same as for BC-22=
1,
and operation is similar. RA-133's were supplied with some of them, and
there was an external power MWO applied to some, including my keeper.

=

73, Robert W. Downs, WA5CAB
RWDowns_WA5CAB@compuserve.com
Houston, TX

Date: Mon, 5 Jan 1998 23:40:03 -0600 (CST)
From: Spencer Petri <spetri@e-tex.com>
To: boatanchors@theporch.com
Subject: QSLing Oscar, etc.
Message-ID: <199801060540.XAA09750@sco.theporch.com>

It has been my experience that Oscar will try his best to get out cards. After sending him cards with green stamp, alone as post cards and thru the buro he finally received one of my QSLs (dunno which ones).

Somehow he sent a large amount of cards to a W ham who forwarded the cards to the proper recipients.

To get a Cook Island card on 6 mtrs I discovered a local ham who was traveling the South Pacific including Cook Island. She hand carried my card and personally delivered it to the amateur who responded by filling out a card for me.

There will always be one you need and can't get.

Don't forget that mail pilferage is a major problem in many countries.

We have tornadoes on the ground locally tonight, 70 MPH+ winds and baseball sized hail. So far I've dodged the bullet but it could be a long night.

GL,

73 de Pete WA5JCI EM21 "the future will be better tomorrow"
.....
6 Mtr -- WAS #490, WAC CW, DXCC/91 Countries, VUCC #361/626 Grids
.....
2 Mtr -- 36 States -- VUCC #346/183 Grids

Date: Mon, 05 Jan 1998 22:05:48 -0800

From: Tony <anthonys@pacbell.net>
To: "boatanchors@theporch.com" <boatanchors@theporch.com>
Subject: 20V3 shunt inductor
Message-ID: <34B1C9BC.210FE1C4@pacbell.net>

>From BA Digest 1866, it is quoted by Tom (in part):

>Subject: The 500 pound regenerative detector...
>Date: Mon, 5 Jan 1998 02:19:09 -0500
>From: "Thomas A. Adams" <103360.2133@compuserve.com>
>To: BOATANCHORS <BOATANCHORS@theporch.com>
>
>Hmmm...
>
>All these questions about the huge plate inductors used in regenerative
>receivers just brought up a VERY wierd thought here...
>
>In the W9LBB Garage / Surplus Parts Dump / Workshop, there is a BIG, half
>constructed AM transmitter. The modulator iron components for it are lifted
>(with much grunting and straining) from a 1 KW Collins AM broadcast rig.
>
>Ya wanna talk 500 Henry inductors??? OK...
>
>The audio shunt reactor, from a 20V2 or 20V3, is 500 Henries at 500 MADC.
>Enough inductance for a regenerative detector, but a hell of a lot MORE
>current carrying capacity than you'd EVER need. The beast has a footprint
>of about 12" x 12", and stands maybe 18" high. Weight is about 125 pounds.

Double Hmmmm...! I have a Collins 20V3 schematic before me (courtesy of W6ZC) which shows the plate shunt-feed inductor to be 50 Henries ... not 500 H. The 500 ma current rating is about what the parallel 4-400 PAs require at 1 KW output.

W6ZC's 20V3 Tx in the process of re-construction and conversion to 160 and 80 Meters. To be completed "one of these days" ..... :-)

Tony W6ANV San Francisco

Date: Mon, 05 Jan 1998 17:34:00 -0800
From: "Parker, Al" <al_parker@research.kaiseral.com>
To: boatanchors@theporch.com, lbkd6wi@jps.net, ddillman@igc.apc.org
Subject: SX101 AVC observations
Message-ID: <Megw.7449464@post.fabrik.com>

Several of us, two are new 101 owners, have noticed some "strange" (to us) actions of the s-meter vs various control settings. The s-meter increases

several units after switching from AM to CW/SSB. This seems explainable by the bfo signal being detected by the AVC diode, or a bigger signal sent to the AVC from the detector. In my unit, and at least one of the others, different selectivity settings also vary the s-meter reading, increasing with tighter selectivity. I can't rationalize that. I made s-meter and AVC voltage (via scope) readings, and hope they show properly below:

  all readings taken on 80m, no antenna, ant. connection shorted to gnd, AVC off, but no difference in s-meter when on, although AVC bus voltage is 0.3 dif, and more audio hiss with AVC off.

AM - s-meter reads negative, on the peg in 5kc pos.

	selec. pos.	s-meter	AVC voltage
SSB -	5kc	2	-1.8
	3	3-1/2	-2.3
	2	3-2/3	-2.4
	1	6-1/3	-4.2
	0.5	7-1/2	-4.8

all above with the pitch control centered, on zero.
the pitch control can vary the AVC voltage by 4v with
the sel. at 0.5

I can't believe that a 5 s-units change with selectivity is normal, but can't find a reason. I've checked lots of caps & resistors, can't find anything leaky or far off value.

Anybody got any ideas? I know there are some SX101 "experts" out there. I think I've mentioned all the pertinent details, but usually miss something.

73, Al, W8UT   al_parker@kacc.com

Date: Tue, 06 Jan 1998 08:56:12 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: anthonys <anthonys@pacbell.net>
Cc: boatanchors <boatanchors@theporch.com>
Subject: Re: 20V3 shunt inductor
Message-ID: <199801060856.IAA02483@punt1.hw.ac.uk>

On 1998-01-06 anthonys@pacbell.net said:
 an>>The audio shunt reactor, from a 20V2 or 20V3, is 500 Henries at
 an>>500 MADC. Enough inductance for a regenerative detector, but a

I THINK I saw a modulation method in which the Final plate current, and modulator plate current, (almost) cancel. An iron cored choke with a tap

is used; HT to tap; one end to modulator anode, other end to final plate
circuit.

NOT identical with choke modulation. Not Heising either (or is it?).

Can't say I've tried or used it; but often these "economy" modulators
get same reports as top price hi-fi versions.

Bill, aka maestro@cix.co.uk.
GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Omnes immemorem benefici oderunt

Net-Tamer V 1.10 - Registered

Date: Tue, 06 Jan 1998 08:56:22 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: boatanchors <boatanchors@theporch.com>
Subject: fao Michael Burke
Message-ID: <199801060856.IAA02489@punt1.hw.ac.uk>

Papers arrived 6 Jan, many thanks - pse remind me your email so I can
thank you properly!

Bill, aka maestro@cix.co.uk.
GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Piscis nequam est nisi recens

Net-Tamer V 1.10 - Registered

Date: Tue, 6 Jan 1998 01:49:40 -0800
From: "Arden Allen" <aallen@sirius.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Hewlett Packard manuals-where??
Message-ID: <199801060952.BAA03028@mail1.sirius.com>

Now that we're all gathered around a hot cathode, could someone point me in
the direction of a source for HP manuals? I need manuals for a 606B signal
generator and its companion 8708A synchronizer. Suggestions would be

helpfull, I'll do the hard part. Thanks

Give your loved ones Gummy Bears.
Arden Allen KB6NAX Vallejo, CA aallen@sirius.com

Date: Tue, 6 Jan 1998 06:27:19 -0500
From: polepeeg@aa4rm.radio.org (BA x-actions hr)
To: boatanchors@theporch.com, wnovinger@SHAW.WAVE.CA
Subject: Octal UX245
Message-ID: <199801061127.GAA11199@aa4rm>

At the dawn of metal tubes in '36 there was a offering called the 6D5.

It was for all intents a 45 with a 6V filament in a 6F6-type container.

It bombed. Not a set maker picked it up - however there's reputed
to be a '37 Radio Handbook art'l that has a pair.

This data came fm an AWA art'l several years back and... yes Soozie,
I had two and lost 'em both, sigh.

  Marty

HEY a usual PS.

  Read a '51 Audio mag. yesterday & found a fella using 6AR6s
  triode-connected in a Williamson with 6600 ohm output
  xfrmr. Gets 20W instead of 10 w. trioded 807s/10000.

  Now all the "bridges of Toko Rey - era" fighters used a 6AR6 as a
  maggy switch (pulse modulator*). There's no shortage - they
  look just like a 5881 but have a heftier cathode. And they
  go for a quarter at better tailgates.

  Our glass-audio secret... shhhhhh

   * tho I think more about juicy pix causing pulse modulation - than tubes

---

Date: Tue, 06 Jan 1998 06:34:41 -0500
From: John Dilks <oldradio@worldnet.att.net>
To: Ho4bart@aol.com
Cc: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: New BA's in Titanic
Message-ID: <34B216D1.2762@worldnet.att.net>

Ho4bart wrote:
>
> it would also be great if some folk with remaining spark xmtrs
> could replicate the radio traffic and record it too. maybe even
> mix it with recording of normal background noise level on LF
> to give it the correct ambience, since it might not do, to put
> them on the air....
> hue
--
   John Belrose has replicated some of Fessiden's early spark and voice
transmissions. You can hear them at either of my two sites at the
bottom of this message.
Click on Radio History Article Written in 1922.

-or- more directly:

        http://www.ggw.org/awa/page_2/index.htm   -- Belrose + Fessenden

     http://www.ggw.org/awa/#H -- Titanic Message

and below......
--
73' John Dilks, K2TQN

   Webmaster for the Antique Wireless Association
       http://www.ggw.org/awa   Click on "Page 2"
-=and=-
   for the New Jersey Antique Radio Club
       http://www.eht.com/oldradio
-----------------please-visit--------------------

Date: Tue, 6 Jan 1998 06:41:50 -0500 (GMT-0500)
From: L & M <toneri@ils.net>
To: boatanchors@theporch.com
Subject: Valiant 2 has died ...again
Message-ID: <199801061141.GAA13267@server1.ils.net>

Alas the poor Valiant 2. Last night it succumbed to the dreaded "ballast
resistor for the OA2 in the VFO cabinet failure". I was having a great QSO
with Joe, K8MP, on 160 last night when that familiar smell of burned
resistor wafted past my nose. After tracking the general location down with
my nose, removing the left side vfo cover revealed a charred looking 2 watt

resistor connected to the 0A2. A quick poke with the screwdriver and it broke in two! I was hoping that it would last a bit longer but sooner or later those resistors go up in smoke on the Johnson vfo's. When I pick up a 5 watt resistor, I will install it below the chassis as I have done on my other Johnson transmitters.
73,
    Mike VE3FGU
****
Mike & Lynda Toneri   E-mail: toneri@ils.net
Keswick, Ontario
WEBPAGE: http://www.geocities.com/heartland/meadows/8218
****

Date: Tue, 6 Jan 1998 04:59:06 -0800 (PST)
From: Dick Dillman <ddillman@igc.apc.org>
To: boatanchors@theporch.com
Subject: SX-101A in Fremont
Message-ID: <2.2.16.19980106045653.460788e2@pop.igc.org>

Would the person in Fremont, CA with the SX-101A please contact me by email?

Thanks,

Dick

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Date: Tue, 6 Jan 1998 05:59:31 -0800 (PST)
From: Ken Gordon <keng@uidaho.edu>
To: Arden Allen <aallen@sirius.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Hewlett Packard manuals-where??
Message-ID: <Pine.BSF.3.95.980106055746.26094B-100000@piobaire.mines.uidaho.edu>

> Now that we're all gathered around a hot cathode, could someone point me in
> the direction of a source for HP manuals? I need manuals for a 606B signal

> generator and its companion 8708A synchronizer. Suggestions would be
> helpfull, I'll do the hard part. Thanks
>

Manuals Plus in Utah. Wonderful source of original HP and Tek original manuals at reasonable prices. They also have some BA comm gear manuals, Hammerlund, Hali, Collins.

They are on the web too. I will try to find their address. I have it at work but not here at home.

Ken W7EKB

Date: Tue, 6 Jan 1998 09:45:47 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Ho4bart <Ho4bart@aol.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: New BA's in Titanic
Message-ID: <Pine.SUN.3.96.980106085500.15493A-100000@indy3>

Hi!

On Mon, 5 Jan 1998, Ho4bart wrote:
> it would also be great if some folk with remaining spark xmtrs
> could replicate the radio traffic and record it too. [...]

   And not just transmitters! It would seem Titantic was equipped with both the then-prevalent magnetic detector ("maggie') and a state-of-the-art Fleming valve detector. Written records specify the maggie, while photos show both.
   I have not seen anything to indicate which was in use during the distress traffic; Harold Bride's account doesn't mention having to wind up the clockwork that drove the maggie or other informative data (he had other priorities! Anyway, John Phillips was at the key during the sinking).
   But the sound from a maggie would be quite differnt to anything we're used to--the things produce a sort of "breathing" noise in the headsets as they operate (Barkhausen noise, please ask a better physicist than me to explain!). Even the diode detector, with various synchronous & async spark and arc notes pouring in, would be quite unusual; it's doubtful the Marconi multiple tuner (and the simpler one in the Fleming valve detector), even at LF, had anywhere near the sort of selectivity we are accustomed to.

(Sheeesh, those are lovely things; Marconi Co. in particular not only did nice *looking* work but had a fair feeling for human-factors design: knobs are well-done and not awkardly positioned, controls that should be ganged, are, etc. The complex power switchboards of the early gear are often criticised, but consider: *those* were not controls you had to keep flippin' frequently--the stuff the op had to tweak and twiddle in use was all close to hand and nicely laid out!) (And boy does that strike close to home as I fill a 7' rack with gadgets using LCD screens of limited viewing angle and no way to adjust it. Hmpf, fat lot of progress *we've* made!)*

...Wonder if those who've seen the movie noticed a maggie in the (various) radio operating room(s)? From the photo of Olympia's (very similar) radio shack, it would have been on the wall, just above the receiving tuner (on the desk) and below the emergency spark rig. It looks remarkably like an audio tape machine in a glass-fronted box, with a couple of wheels running a band of iron wires round and round and a T-handle for winding up the clockworks sticking out one side. (Seems to have been standard practice to screw 'em to the wall--small wonder, as a long msg. could require winding the maggie up with one hand while copying with the other!)

73,
--Bobbi

---

* I don't hate the *concept* of alphanumeric single displays + control menues, nor even of full GUI computer control--I dislike it *operationally,* as the state of the device is not immediately evident and the lack of tactile feedback makes inadventent maladjustment easier. It's real hard to throw a big fat knife switch or even a Telco-style lever switch with a finger twitch and a pegged meter's not easily overlooked; but a funky little bargraph or numerical display? A capacitive touch-pad? Arrgh! The Victorians were onto something even though they didn't really know it at the time.

Date: Tue, 6 Jan 1998 10:03:29 -0500 (EST)
From: Nick England <nick@cs.unc.edu>
To: boatanchors@theporch.com
Subject: Manuals & Parts & Rigs, Oh My!
Message-ID: <199801061503.KAA22973@altair.cs.unc.edu>

Just a friendly reminder that I maintain a "Boatanchors FAQ" Web page with info on boatanchor frequencies, manual suppliers, parts suppliers,

and purveyors of boatanchors. Also includes info on magazines, e-mail lists, books, boatachnor WWW sites, restoration tips, etc.

Always glad to get more info and corrections.

Check out http://www.cs.unc.edu/~nick/rrab.faq.htm

73 & Have Fun,
Nick England KD4CPL nick@cs.unc.edu Univ. Of North Carolina
http://www.cs.unc.edu/~nick Chapel Hill NC

Date: 06 Jan 1998 09:24:21 -0600
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
To: boatanchors@sco.theporch.com
Subject: A Seiberling radio? What?
Message-ID: <1998Jan06.092422-0600@spike.vuse.vanderbilt.edu>

Over the hols stumbled into a Seiberling radio at a flea market. Superficially looked like a late-30s wooden table radio, but it had an SW band so I got it. Turns out to be fairly interesting. It is midway between a Halli S-38 and S-40, in that it is basically an AA5, but has both a power transfomer (big potted one) and an RF stage. Complement is 5Y3 rect, 6SK7 RF, 6SA7 osc/mix, 6SK7 if, 6SQ7 detector/first audio, 6K6 audio out. Three gang capacitor, trimmers all over the place. Since it has an electrodynamic speaker, I am guessing 30's, early 40's at best, but what do I know??

After recapping it sounds very good and is quite sensitive. Excellent on AM (has a built in loop with trimmer), but suffers on SW because the band spans 6-18 mHz without benefit of bandspread. Nonetheless picks up as much as my S38 and then some, although the upper end was mostly populated by FM splatter.

Anybody heard of this company?
A. B. Bonds

Date: Tue, 6 Jan 98 10:33:36 EST
From: gc@cen.com (Gary Chatters)
To: boatanchors@theporch.com
Subject: Re: Hewlett Packard manuals-where??
Message-ID: <9801061533.AA04115@cen.com>

>
>Manuals Plus in Utah. Wonderful source of original HP and Tek original
>manuals at reasonable prices. They also have some BA comm gear manuals,
>Hammerlund, Hali, Collins.
>
>They are on the web too. I will try to find their address. I have it at
>work but not here at home.
>

Their web address is the obvious one: http://www.manualsplus.com.
And their phone: 801-882-7188.

It spite of all their talk about original manuals, their stock does
include photocopies of manuals. They won't make the copy themselves,
but will still sell a copy that someone else made. Of course, if it's
what you need, then it will work just as well.

Another good source of HP manuals (copies and originals):

     Ed Matsuda
     P.O. Box 390613
     San Diego, CA 92149
     619-479-0225

73,
Gary

Date: Tue, 06 Jan 1998 11:01:10 -0800
From: Gene Katz <gkatz@motown.lmco.com>
To: rbarmore@indy.net
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: New BA's in Titanic
Message-ID: <34B27F76.31BC@motown.lmco.com>

Having seen both the Broadway play and the movie, I was struck by the
singular lack of attention to the radio room and the ops. Of course I'm
prejudiced, but I was (and am) a Titanic buff since before I could spell
BA. The story of Phillips and Bride could be the basis for a swell movie
in its own right. The recent movie was fine, but from a BA point of view
it sucked. But the quick glimpse of the rigs was better than nothing!
73 Gene KC6BLD

Date: Tue, 6 Jan 1998 10:20:34 -0500

From: "Jay H. Miller" <jmiller@teleteam.net>
To: boatanchors@theporch.com
Subject: N9OO's ER Index for Macs
Message-ID: <l03110702b0d7fb718a43@[199.34.24.23]>

For those on the list running the Macintosh platform I have extracted Don's excellent ER index and put it in a Claris Works database file.

If you need access to this great piece of BA reference and are of the *>C* prompt set, drop me a post and I'll attach a copy for you.

      ********** ##################### **********
     Jay H. Miller, KK5IM   Dallas, Texas
  The Pocket Guide to Collins Amateur Radio Equipment
     AMI#846   Collins Collectors Association
            E-Mail: jmiller@teleteam.net
Visit My Home Page: http://www.teleteam.com/~jmiller/
  ***** Proud to be 100% Macintosh since 1984! *****

Date: Tue, 06 Jan 1998 11:26:43 -0500 (EST)
From: MODSTEPH@ACS.EKU.EDU
To: boatanchors@theporch.com
Subject: Re: BA's on the Titanic - The Movie
Message-ID: <01IS1ZFC2ZRC01128U@ACS.EKU.EDU>

     The previous best (my opinion) movie on the Titanic is the English "A Night to Remember," a black & white film from the '50's, I believe. Check it out for radio and radio room, where the operator (a youg David Maccallum - before "Man From U.N.C.L.E.") is sending traffic, is covered for the CQD and SOS, the exchange with the Car-pathia... all in "proper" spark sounds and with the usual (British) attention to detail that what they SAY they are sending is indeed WHAT they are sending! Guess I need to check it out again myself!

    73, Al N5AIT
   modsteph@acs.eku.edu

Date: Tue, 06 Jan 1998 09:48:56 -0800
From: Jim Hill <jshillw6ivw@earthlink.net>
To: boatanchors@theporch.com
Subject: '02 5-watt Xmit Tube and '10

Message-ID: <3.0.3.32.19980106094856.00747fdc@earthlink.net>

Does anyone have data on the '02 transmitting tube, other than the
following (which came from a Cunningham C-302 tube carton):

Transmitter 5 watt fil volts: 7.5, fil amp: 2.35 Plate V: 350

Don't know when it was first available, but it was mentioned in QST in the early 20's. My collection starts in 1922; little luck finding earlier issues to date. At that time, QST said the most important meter was the filament voltmeter. The tech editor said it was invaluable to extend tube life from very little to short. Next in importance was the antenna ammeter, used to optimize output power. Other parameters, such as plate current could be monitored, but better to spend your money elsewhere. Input power was "eye balled" literally by looking at the plate. Plate color should not be more than a dull red. Users mentioned plate voltages up to 1000, and internal arcing problems were mentioned. No wonder these tubes had a short life! The '02 was superseded by the '10. Could those with old handbooks check the tube characteristics section? My 1932 Handbook doesn't list it. Neither does my 1938 RCA transmitting tube manual, although the '03 and '04 are listed.

Does anyone know where I can buy a '10? I check the TRW ARC Swap meet periodically, and found a NIB Arcturus 10 for $75 (which I passed up, for obvious reasons) and some WW2 vintage 10Y's, which I bought. I really want some old style 10's to use in a replica of an self-excited oscillator transmitter. I have heard the hollow state audio hobbyists have bought all of the old triodes, which may be true. Years ago, one of the audio guys told me the VT4C was a really good audio output tube.
This was before the days of ear splitting rock music, and I thought he was crazy. I guess I'll use a '71A, and occasionally my '02's.

73's Jim

Date: Tue, 6 Jan 98 11:21:36 -0700
From: "Deane D McIntyre" <dmcintyr@acs6.ACS.UCALGARY.CA>
To: boatanchors@theporch.com
Subject: Re: '02 5-watt Xmit Tube and '10
Message-ID: <9801061821.ZZ495819@acs6.acs.ucalgary.ca>

In message <3.0.3.32.19980106094856.00747fdc@earthlink.net> writes:
>
> Does anyone have data on the '02 transmitting tube, other than the
> following (which came from a Cunningham C-302 tube carton):

>
> Transmitter 5 watt fil volts: 7.5, fil amp: 2.35 Plate V: 350
>
According to Saga of the Vacuum Tube by Gerald F.J. Tyne:
(a must have referenve for pre 1930 tubes; now again available in
reprint form from Antique Electronic Supply)

The UV202 was announced by RCA in March, 1921 (QST, March 1921, pp 18-19).
See also QST, April 1921. This tube was 2 1/8 inches
in diameter and 5 inches high. It was rated at 5 watts output with normal
filament and plate voltages as indicated above. Nornal plate current
(at 350 V) was 45 ma, mu was 8, output impedance 4000 ohms. "The tube was
beloved by the amateurs, who built transmitters with as many as six UV202s
operating in parallel" (QST, Feb 1924, pp 37-38). The UV202 was discontinued
in 1925, being replace by the 10.

73, Deane D McIntyre VE6BPO
dmcintyr@acs.ucalgary.ca

End of BOATANCHORS Digest 1867
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